YIELD SECURITY

ANTI PID TECHNOLOGY

(APT)

HOT-SPOT PROTECT

(HSP)

TRACEABLE QUALITY

(TRA.Q™)

ANTI LID TECHNOLOGY

(ALT)

MOD:

27898 photon.info/laboratory

Q.PRO-G2 235

174 modules tested

Best polycrystalline solar module 2014

LOW LEVELISED COST OF ELECTRICITY

Higher yield per surface area, lower BOS costs, higher power classes, and an efficiency rate of up to 19.3%.

INNOVATIVE ALL-WEATHER TECHNOLOGY

Optimal yields, whatever the weather with excellent low-light and temperature behaviour.

ENDURING HIGH PERFORMANCE

Long-term yield security with Anti LID Technology, Anti PID Technology, Hot-Spot Protect and Traceable Quality Tra.Q™.

EXTREME WEATHER RATING

High-tech aluminium alloy frame, certified for high snow (5400 Pa) and wind loads (2400 Pa).

A RELIABLE INVESTMENT

Inclusive 12-year product warranty and 25-year linear performance warranty

1 See data sheet on rear for further information.

THE IDEAL SOLUTION FOR:

Ground-mounted solar power plants

Engineered in Germany
MECHANICAL SPECIFICATION

Format: 78.5 in × 39.4 in × 1.38 in (including frame)
Weight: 52.9 lbs (24 kg) ± 5%
Front Cover: 0.13 in (3.2 mm) thermally pre-stressed glass with anti-reflection technology
Back Cover: Composite film
Cell: 6 × 12 monocrystalline Q.ANTUM solar cells
Junction Box: 3.35 × 4.53 in × 2.36 × 3.15 in × 0.59-0.75 in (85-115 mm × 80-80 mm × 15-20 mm), ± IP67, with bypass diodes
Connector: Stäubli MC4-Evo2, Hanwha Q CELLS HQC4, Tongling TL-Cable01S-F, Amphenol UTX, IP68

ELECTRICAL CHARACTERISTICS

POWER CLASS

MINIMUM PERFORMANCE AT STANDARD TEST CONDITIONS, STC (POWER TOLERANCE +5 W / −0 W)

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<tr>
<td>365</td>
<td>370</td>
<td>375</td>
<td>380</td>
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MINIMUM PERFORMANCE AT NORMAL OPERATING CONDITIONS, NMOT

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<td>272.4</td>
<td>276.1</td>
<td>279.8</td>
<td>283.6</td>
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QUALIFICATIONS AND CERTIFICATES

Q CELLS PERFORMANCE WARRANTY

PERFORMANCE AT LOW IRRADIANCE

TEMPERATURE COEFFICIENTS

<table>
<thead>
<tr>
<th>Temperature Coefficient of I sc</th>
<th>α [% / K]</th>
<th>+0.04</th>
<th>Temperature Coefficient of V OC</th>
<th>β [% / K]</th>
<th>−0.28</th>
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</thead>
<tbody>
<tr>
<td>Temperature Coefficient of P MPP</td>
<td>γ [% / K]</td>
<td>−0.39</td>
<td>Normal Module Operating Temperature</td>
<td>NMOT [°F]</td>
<td>109±5.4 (43±3°C)</td>
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PROPERTIES FOR SYSTEM DESIGN

<table>
<thead>
<tr>
<th>Maximum System Voltage</th>
<th>V MPP [V]</th>
<th>1500 (IEC) / 1500 (UL)</th>
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<tbody>
<tr>
<td>Safety Class</td>
<td>II</td>
<td>Fire Rating based on ANSI / UL 1703</td>
</tr>
<tr>
<td>Max. Design Load, Push / Pull</td>
<td>[lbs / ft²]</td>
<td>75 (3600 Pa) / 33 (1800 Pa)</td>
</tr>
<tr>
<td>Max. Test Load, Push / Pull</td>
<td>[lbs / ft²]</td>
<td>113 (5400 Pa) / 50 (2400 Pa)</td>
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QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

| Number of Modules per Pallet | 30 |
| Number of Pallets per 40' HC-Container | 22 |
| Pallet Dimensions (L × W × H) | 80.8 × 44.5 × 46.1 in (2010 × 1130 × 1170 mm) |
| Pallet Weight | 1709 lbs (775 kg) |

Note: Installation instructions must be followed. See the installation and operating manual or contact our technical service department for further information on approved installation and use of this product.